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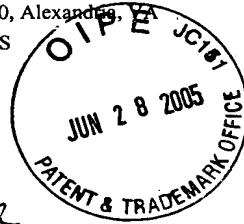
**PATENT**  
Express Mail Label No.: EV561775034US  
Attorney Docket No.: 703-006.50.23

On June 28, 2005

WALL MARJAMA & BILINSKI LLP

By:

Jeannine C. Schirripa



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Andrew Longacre, Jr.

Application No.: 10/800,136

Filed: March 12, 2004

For: Portable Autodiscriminating Optical Reader

Examiner: Thien Minh Le

Art Unit: 2876

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98**

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P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached forms PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of references NF-NG and NW-OC are enclosed. Copies of references JS-KC, MX-NE and the attachments of references AC, AI and AJ are provided in parent application 09/385,597 filed August 30, 1999, which forms part of the record of the present application. *See* 37 C.F.R. §1.98(d); MPEP §609. References NH-OC are references of record in commonly assigned U.S. Patent No. 5,723,853 while references OD-OO are references of record in commonly assigned U.S. Patent No. 5,942,741. References of record in additional applications that are family related to the present application are also submitted herein. The present Information Disclosure Statement is being filed to make additional

information of record in the present application including references and other information of record in various applications that are family-related to the present application.

Reference NF is a report summarizing references cited by the applicants or the Examiner in applications of which priority is claimed. Examiners have a duty to consider art references of parent patent applications. *See* 37 C.F.R. §1.98(d); MPEP §609. The Examiner is respectfully requested to initialize the box adjacent to the NF reference listing to indicate that the Examiner has considered the references of record in the applications of which priority is claimed under 35 U.S.C. §120. Applicants also submit reference NG, a report categorizing certain submitted references into various categories. The report attached as reference NG is intended to assist the Examiner in the Examiner's review of the significant number of references submitted. Applicants will also supply, at the Examiner's request, a computer accessible file that facilitates computer text searching of U.S. patent references that have been submitted.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 C.F.R. §1.97(h), no inference should be made that the information and references cited are material to patentability. Also, no inference should be made that a reference is prior art merely because it is included in this statement. Under 37 C.F.R. §1.97(g), the submission of an information disclosure statement should not be considered as representation that a search has been made.

Applicants believe that a fee is required for submission of this statement. A check in the amount of \$180.00 is enclosed.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-0289.

Respectfully submitted,

WALL MARJAMA & BILINSKI LLP

Date: June 28, 2005

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Sheet 1 of 4

**Complete if Known**

Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-Patent Application No. 11/073,531. Filed March 7, 2005.	03-07-2005	Longacre et al.	
	AB	US-Patent Application No. 10/227,889. Filed August 26, 2002.	03-06-2003	Longacre et al.	
	AC	US-Patent Application No. 10/328,939. Filed December 23, 2002. (Attached is Office Action dated February 9, 2005.)	08-07-2003	Longacre et al.	
	AD	US-Patent Application No. 10/778,466. Filed February 13, 2004.	Filed 02-13-2004	Longacre et al.	
	AE	US-Patent Application No. 10/786,808. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AF	US-Patent Application No. 10/786,984. Filed February 25, 2004.	Filed 02-25-2004	Longacre et al.	
	AG	US-Patent Application No. 10/793,423. Filed March 4, 2004.	Filed 03-04-2004	Longacre et al.	
	AH	US-Patent Application No. 10/800,136. Filed March 12, 2004.	Filed 03-12-2004	Longacre et al.	
	AI	US-Patent Application No. 10/801,937. Filed March 16, 2004. (Attached is Office Action dated April 15, 2005)	Filed 03-16-2004	Longacre et al.	
	AJ	US-Patent Application No. 10/802,539. Filed March 16, 2004. (Attached is Office Action dated April 21, 2005)	Filed 03-16-2004	Longacre et al.	
	AK	US-Patent Application No. 10/887,207. Filed July 8, 2004.	Filed 07-08-2004	Longacre	
	AL	US-Patent Application No. 10/895,536. Filed July 23, 2004.	Filed 07-23-2004	Longacre et al.	
	AM	US-4,654,514	03-31-1987	Watson et al.	
	AN	US-4,721,849	01-26-1988	Davis et al.	
	AO	US-4,731,525	03-15-1988	Hice, John R.	
	AP	US-4,761,544	08-02-1988	Poland, McKee D.	
	AQ	US-4,825,058	04-25-1989	Poland, McKee D.	
	AR	US-4,864,302	09-05-1989	Bowers, Davis L.	
	AS	US-4,868,375	09-19-1989	Blanford, Denis M.	

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	AT	US-5,120,943	06-09-1992	Benz, Reiner	
	AU	US-5,185,514	02-09-1993	Wike et al.	
	AV	US-5,274,567	12-28-1993	Kallin et al.	
	AW	US-5,308,966	05-03-1994	Danielson et al.	
	AX	US-5,428,212	06-27-1995	Tani et al.	
	AY	US-5,442,164	08-15-1995	Adachi, Yutaka	
	AZ	US-5,463,214	10-31-1995	Longacre et al.	
	BA	US-5,473,148	12-05-1995	Tanaka et al.	
	BB	US-5,485,369	01-16-1996	Nicholls et al.	
	BC	US-5,488,223	01-30-1996	Austin et al.	
	BD	US-5,491,471	02-13-1996	Stobbe, Anatoli	
	BE	US-5,510,606	04-23-1996	Worthington et al.	
	BF	US-5,539,193	07-23-1996	Gibbs et al.	
	BG	US-5,550,366	08-27-1996	Roustaei, Alexander	
	BH	US-5,594,230	01-14-1997	Waite et al.	
	BI	US-5,600,119	02-04-1997	Dvorkis et al.	
	BJ	US-5,619,192	04-08-1997	Ayala, Raymond F.	
	BK	US-5,621,203	04-15-1997	Swartz et al.	
	BL	US-5,635,697	06-03-1997	Shellhammer et al.	
	BM	US-5,640,193	06-17-1997	Wellner, Pierre David	
	BN	US-5,672,858	09-30-1997	Li et al.	
	BO	US-5,726,435	03-10-1998	Hara et al.	
	BP	US-5,739,518	04-14-1998	Wang, Ynjiun P.	
	BQ	US-5,756,981	05-26-1998	Roustaei et al.	
	BR	US-5,773,806	06-30-1998	Longacre, Jr., Andrew	
	BS	US-5,805,779	09-08-1998	Christopher et al.	
	BT	US-5,818,528	10-06-1998	Roth et al.	
	BU	US-5,821,523	10-13-1998	Bunte et al.	
	BV	US-5,825,006	10-20-1998	Longacre et al.	
	BW	US-5,834,749	11-10-1998	Durbin, Dennis A.	
	BX	US-5,837,986	11-17-1998	Barile et al.	
	BY	US-5,837,987	11-17-1998	Koenck et al.	
	BZ	US-5,874,722	02-23-1999	Rando et al.	
	CA	US-5,900,613	05-04-1999	Koziol et al.	
	CB	US-5,932,862	08-03-1999	Hussey et al.	
	CC	US-5,965,863	10-12-1999	Parker et al.	

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Sheet 3 of 4

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Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

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	CD	US-5,979,757	11-09-1999	Tracy et al.	
	CE	US-6,011,880	01-04-2000	Tani et al.	
	CF	US-6,015,088	01-18-2000	Parker et al.	
	CG	US-6,064,763	05-16-2000	Maltsev, Pavel A.	
	CH	US-6,070,800	06-06-2000	Fujita et al.	
	CI	US-6,082,619	07-04-2000	Ma et al.	
	CJ	US-6,112,992	09-05-2000	Agabra et al.	
	CK	US-6,129,276	10-10-2000	Jelen et al.	
	CL	US-6,144,848	11-07-2000	Walsh et al.	
	CM	US-6,176,428	01-23-2001	Joseph et al.	
	CN	US-6,176,429	01-23-2001	Reddersen et al.	
	CO	US-6,286,760	09-11-2001	Schmidt et al.	
	CP	US-6,293,466	09-25-2001	Fujita et al.	
	CQ	US-6,325,283	12-04-2001	Chu et al.	
	CR	US-6,377,249	04-23-2002	Mumford, John R.	
	CS	US-6,398,112	06-04-2002	Li et al.	
	CT	US-6,411,199	06-25-2002	Geiszler et al.	
	CU	US-6,412,699	07-02-2002	Russell et al.	
	CV	US-6,424,407	07-23-2002	Kinrot et al.	
	CW	US-6,452,179	09-17-2002	Coates et al.	
	CX	US-6,491,223	12-10-2002	Longacre et al.	
	CY	US-6,505,778	01-14-2003	Reddersen et al.	
	CZ	US-6,508,404	01-21-2003	Hecht, Kurt	
	DA	US-6,527,179	03-04-2003	Itoh et al.	
	DB	US-6,565,003	05-20-2003	Ma, Yue	
	DC	US-6,565,005	05-20-2003	Wilz et al.	
	DD	US-6,606,171	08-12-2003	Renk et al.	
	DE	US-6,672,511	01-06-2004	Shellhammer, Stephen J.	
	DF	US-6,678,412	01-13-2004	Shigekusa et al.	
	DG	US-6,685,095	02-03-2004	Roustaei et al.	
	DH	US-6,698,656	03-02-2004	Parker et al.	
	DI	US-6,708,883	03-23-2004	Krichever, Mark	
	DJ	US-6,722,569	04-20-2004	Ehrhart et al.	
	DK	US-6,741,335	05-25-2004	Kinrot et al.	
	DL	US-6,751,352	06-15-2004	Baharov et al.	
	DM	US-6,761,317	07-13-2004	Knowles et al.	

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Sheet 4 of 4

<i>Complete if Known</i>	
<b>Application Number</b>	10/800,136
<b>Filing Date</b>	March 12, 2004
<b>First Named Inventor</b>	Andrew Longacre, Jr.
<b>Art Unit</b>	2876
<b>Examiner Name</b>	Thien Minh Le
<b>Attorney Docket Number</b>	703-006.50.23

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS					
Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	DN	US-6,766,954	07-27-2004	Barkan et al.	
	DO	US-6,827,273	12-07-2004	Wilz et al.	
	DP	US-2003/0042311	03-06-2003	Longacre, Andrew et al.	
	DQ	US-2003/0085282	05-08-2003	Parker et al.	
	DR	US-2003/0146283	08-07-2003	Longacre et al.	
	DS	US-2003/0218067	11-27-2003	Parker et al.	
	DT	US-2004/0004128	01-08-2004	Pettinelli et al.	
	DU	US-2004/0256465	12-23-2004	Longacre, Andrew Jr.	
	DV	US-2004/0262393	12-30-2004	Hara, Masahiro et al.	
	DW	US-2004/0262395	12-30-2004	Longacre, Andrew Jr.	
	DX	US-2004/0262396	12-30-2004	Longacre, Andrew Jr.	
	DY	US-2004/0262399	12-30-2004	Longacre, Andrew Jr.	
	DZ	US-2005/0011956	01-20-2005	Carlson, Bradley S.	

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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	EA	US-3,582,884	06-08-1971	Shepard	
	EB	US-3,663,762	05-16-1972	Joel, Jr.	
	EC	US-3,684,868	08-15-1972	Christie et al.	
	ED	US-3,723,970	03-27-1993	Stoller	
	EE	US-3,906,166	09-16-1975	Cooper et al.	
	EF	US-4,004,237	01-18-1977	Kratzer	
	EG	US-4,041,391	08-09-1977	Deerkoski	
	EH	US-4,097,847	06-27-1978	Forsen et al.	
	EI	US-4,114,155	09-12-1978	Raab	
	EJ	US-4,164,628	08-14-1979	Ward et al.	
	EK	US-4,210,802	07-01-1980	Sakai	
	EL	US-4,291,410	09-22-1981	Caples et al.	
	EM	US-4,315,245	02-09-1982	Nakahara et al.	
	EN	US-4,435,822	03-06-1984	Spencer et al.	
	EO	US-4,445,118	04-24-1984	Taylor et al.	
	EP	US-4,488,678	12-18-1984	Hara et al.	
	EQ	US-4,488,679	12-18-1984	Bockholt et al.	
	ER	US-4,500,776	02-19-1985	Laser	
	ES	US-4,538,060	08-27-1985	Sakai et al.	
	ET	US-4,542,528	09-17-1985	Sanner et al.	
	EU	US-4,561,089	12-24-1985	Rouse et al.	
	EV	US-4,610,359	09-09-1986	Muller	
	EW	US-4,628,532	12-09-1986	Stone et al.	
	EX	US-4,636,624	01-13-1987	Ishida et al.	
	EY	US-4,639,932	01-27-1987	Schiff	
	EZ	US-4,644,523	02-17-1987	Horwitz	
	FA	US-4,646,353	02-24-1987	Tenge et al.	
	FB	US-4,653,076	03-24-1987	Jerrim et al.	
	FC	US-4,686,363	08-11-1987	Schoon	
	FD	US-4,690,530	09-01-1987	Fujino et al.	
	FE	US-4,710,817	12-01-1987	Ando	
	FF	US-4,570,057	02-11-1988	Chadima, Jr., et al.	
	FG	US-4,785,463	11-15-1988	Janc et al.	
	FH	US-4,791,446	12-13-1988	Ishida et al.	
	FI	US-4,807,256	02-21-1989	Holmes et al.	
	FJ	US-4,818,856	04-04-1989	Matsushima et al.	

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	FK	US-4,841,544	06-20-1989	Nuytken	
	FL	US-4,877,949	10-31-1998	Danielson et al.	
	FM	US-4,901,073	02-13-1990	Kibrick	
	FN	US-4,908,500	03-13-1990	Baumberger	
	FO	US-4,942,474	07-17-1990	Akimoto et al.	
	FP	US-5,019,699	05-28-1991	Koenck	
	FQ	US-5,113,445	05-12-1992	Wang	
	FR	US-5,138,140	08-11-1992	Siemiatkowski et al.	
	FS	US-5,153,421	10-06-1992	Tandon et al.	
	FT	US-5,212,777	05-18-1993	Gove et al.	
	FU	US-5,245,,695	09-14-1993	Basehore	
	FV	US-5,262,871	11-16-1993	Wilder et al.	
	FW	US-5,286,960	02-15-1994	Longacre, Jr. et al.	
	FX	US-5,294,783	03-15-1994	Hammond, Jr. et al.	
	FY	US-5,311,001	05-10-1994	Joseph et al.	
	FZ	US-5,319,185	06-07-1994	Obata	
	GA	US-5,331,176	06-19-1994	Sant' Anselmo et al.	
	GB	US-5,345,266	09-06-1994	Denyer	
	GC	US-5,354,977	10-11-1994	Roustaei	
	GD	US-5,378,883	01-03-1995	Batterman et al.	
	GE	US-5,392,447	02-21-1995	Schlack et al.	
	GF	US-5,396,054	03-07-1995	Krichever et al.	
	GG	US-5,401,949	03-28-1995	Ziemack et al.	
	GH	US-5,414,251	05-09-1995	Durbin	
	GI	US-5,420,409	05-30-1995	Longacre, Jr. et al.	
	GJ	US-5,430,286	07-04-1995	Hammond, Jr. et al.	
	GK	US-5,461,425	10-24-1995	Fowler et al.	
	GL	US-5,471,515	11-28-1995	Fossum et al.	
	GM	US-5,471,592	11-28-1995	Gove et al.	
	GN	US-5,478,997	12-26-1995	Bridgelall et al.	
	GO	US-5,504,524	04-02-1996	Lu et al.	
	GP	US-5,521,366	05-28-1996	Wang et al.	
	GQ	US-5,537,431	07-16-1996	Chen et al.	
	GR	US-5,545,886	08-13-1996	Meltitsky et al.	
	GS	US-5,572,006	11-05-1996	Wang et al.	
	GT	US-5,585,616	12-17-1996	Roxby et al.	

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Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

**U.S. PATENT DOCUMENTS**

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		Number Kind Code <sup>2</sup> (if known)			
GU		US-5,591,956	01-07-1997	Longacre, Jr. et al.	
GV		US-5,598,007	01-28-1997	Bunce et al.	
GW		US-5,610,387	03-11-1997	Bard et al.	
GX		US-5,663,549	09-02-1997	Katz et al.	
GY		US-5,665,959	09-09-1997	Fossum et al.	
GZ		US-5,668,803	09-16-1997	Tymes et al.	
HA		US-5,703,349	12-30-1997	Meyerson et al.	
HB		US-5,723,823	03-03-1998	Bell	
HC		US-5,723,853	03-03-1998	Longacre, Jr. et al.	
HD		US-5,723,868	03-03-1998	Hammond, Jr. et al.	
HE		US-5,774,357	06-30-1998	Hoffberg et al.	
HF		US-5,780,834	07-14-1998	Havens et al.	
HG		US-5,784,102	07-21-1998	Hussey et al.	
HH		US-5,814,803	09-29-1998	Olmstead et al.	
HI		US-5,831,254	11-03-1998	Karpen et al.	
HJ		US-5,831,674	11-03-1998	Ju et al.	
HK		US-5,841,121	11-24-1998	Koenck	
HL		US-5,841,126	11-24-1998	Fossum et al.	
HM		US-5,875,108	02-23-1999	Hoffberg et al.	
HN		US-5,877,487	03-02-1999	Tani et al.	
HO		US-5,917,171	06-29-1999	Sasai	
HP		US-5,920,477	07-06-1999	Hoffberg et al.	
HQ		US-5,926,214	07-20-1999	Denyer et al.	
HR		US-5,929,418	07-27-1999	Ehrhart et al.	
HS		US-5,949,052	09-07-1999	Longacre, Jr. et al.	
HT		US-5,949,054	09-07-1999	Karpen et al.	
HU		US-5,949,056	09-07-1999	White	
HV		US-5,979,768	11-09-1999	Koenck	
HW		US-5,984,186	11-16-1999	Tafoya	
HX		US-5,986,297	11-16-1999	Guidash et al.	
HY		US-6,003,008	12-14-1999	Postrel et al.	
HZ		US-6,017,496	01-25-2000	Nova et al.	
IA		US-6,119,179	09-12-2000	Whitridge et al.	
IB		US-6,123,264	09-26-2000	Li et al.	
IC		US-6,155,488	12-05-2000	Olmstead et al.	
ID		US-6,155,491	12-05-2000	Dueker et al.	

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Sheet 4 of 5

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Application Number	10/800,136
Filing Date	March 12, 2004
First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

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		Number Kind Code <sup>2</sup> (if known)			
	IE	US-6,161,760	12-19-2000	Marrs et al.	
	IF	US-6,170,749 B1	01-09-2001	Goren et al.	
	IG	US-6,176,429	01-23-2001	Reddersen et al.	
	IH	US-6,186,404	02-13-2001	Ehrhart et al.	
	II	US-6,215,992 B1	04-10-2001	Howel et al.	
	IJ	US-6,264,105	07-24-2001	Longacre, Jr. et al.	
	IK	US-6,276,605	08-21-2001	Olmstead et al.	
	IL	US-6,329,139 B1	12-11-2001	Nova et al.	
	IM	US-6,347,163 B2	02-12-2002	Roustaei	
	IN	US-6,360,948	03-26-2002	Yang et al.	
	IO	US-6,462,842 B1	10-08-2002	Hamilton	
	IP	US-6,486,911 B1	11-26-2002	Denyer et al.	
	IQ	US-6,493,029 B1	12-10-2002	Denyer et al.	
	IR	US-6,505,778 B1	01-14-2003	Reddersen et al.	
	IS	US-6,512,218	01-28-2003	Canini et al.	
	IT	US-6,547,139 B1	04-15-2003	Havens et al.	
	IU	US-6,547,142 B1	04-15-2003	Goren et al.	
	IV	US-6,552,323	04-22-2003	Guidash et al.	
	IW	US-6,552,746 B1	04-22-2003	Yang et al.	
	IX	US-6,585,159 B1	07-01-2003	Meier et al.	
	IY	US-6,606,171 B1	08-12-2003	Renk et al.	
	IZ	US-6,634,558 B1	12-21-2003	Patel et al.	
	JA	US-6,637,658 B2	04-03-2003	Barber et al.	
	JB	US-6,665,012 B1	12-16-2003	Yang et al.	
	JC	US-6,714,239	03-30-2002	Guidash	
	JD	US-6,732,929 B2	05-11-2004	Good et al.	
	JE	US-6,714,665 B1	03-30-2004	Hanna et al.	
	JF	US-6,736,321 B2	05-18-2004	Tsikos et al.	
	JG	US-6,739,511 B2	05-25-2005	Tsikos et al.	
	JH	US-6,742,707 B1	06-01-2004	Tsikos et al.	
	JI	US-6,732,930 B2	05-11-2004	Massieu et al.	
	JJ	US-6,832,729 B1	12-21-2004	Perry et al.	
	JK	US-6,837,432 B2	01-04-2005	Tsikos et al.	
	JL	US-6,854,649 B2	2-15-2005	Womer et al.	
	JM	US-6,857,570 B2	02-22-2005	Tsikos et al.	
	JN	US-6,858,159	02-22-2005	Lyons	

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	JO	US-6,863,216	03-08-2005	Tsikos et al.	
	JP	US-2002/0158127	10-31-2002	Hori et al.	
	JQ	US-2003/0062418 A1	10-28-2003	Barber et al.	
	JR	US-2005/0103851	05-19-2005	Zhu et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		EP 0 449 634 A2	10/2/1991	OMNIPLANAR, INC.	<input type="checkbox"/>
	JS	WO 93/14458	7/22/1993	EASTMAN KODAK COMPANY	<input type="checkbox"/>
	JT	WO 93/17397	9/2/1993	Roustaei	<input type="checkbox"/>
	JU	WO 95/32580	11/30/1995	POLAROID CORPORATION	<input type="checkbox"/>
	JV	JP 2000-192317 A (Full text Japanese Patent attached with English translation of Abstract only)	3/31/2000	FUJI PHOTO FILM CO., LTD.	<input type="checkbox"/>
	JW	WO 93/18478	9/16/1993	Norand Corp.	<input type="checkbox"/>
	JX	WO 97/08647	3/6/1997	PSC, Inc.	<input type="checkbox"/>

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First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	JY	JAKL, Edward A., "Why CMOS Image Sensors are Poised to Surpass CCDs," International IC '99, Conference Proceedings, pp. 64-71.	
	JZ	TIAN, Hui et al., "Analysis of 1/f Noise in Switched MOSFET Circuits," Information Systems Laboratory, Electrical Engineering Department,	
	KA	Stanford University, Stanford, California 94305, 21 pp.	
	KB	EL GAMAL, Professor A., Lecture Notes 1, 2, 4, 5, 6, 7, 10 and Handout #3 and #28, "Image Sensors and Digital Cameras" for EE 392B, Spring 2001.	
	KC	FOSSUM, ERIC R., CMOS Active Pixel Image Sensors, Nuclear Instruments and Methods in Physics Research A 395 (1997) 291-297.	

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Attorney Docket Number

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		Number Kind Code <sup>2</sup> (if known)			
	KD	US-4,794,239	12-27-1988	Allias	
	KE	US-4,874,936	10-17-1989	Chandler et al.	
	KF	US-4,896,029	01-23-1990	Chandler et al.	
	KG	US-4,998,010	03-05-1991	Chandler et al.	
	KH	US-5,153,418	10-06-1992	Batterman et al.	
	KI	US-5,180,904	01-19-1993	Shepard et al.	
	KJ	US-5,189,292	02-23-1993	Batterman et al.	
	KK	US-5,223,701	06-29-1993	Batterman et al.	
	KL	US-5,235,167	08-10-1993	Dvorkis et al.	
	KM	US-5,250,792	10-05-1993	Swartz et al.	
	KN	US-5,266,787	11-30-1993	Mazz et al.	
	KO	US-5,272,323	12-21-1993	Martino	
	KP	US-5,276,400	01-04-1994	Denyer et al.	
	KQ	US-5,278,398	01-11-1994	Pavlidis et al.	
	KR	US-5,304,786	04-19-1994	Pavlidis et al.	
	KS	US-5,304,787	04-19-1994	Wang	
	KT	US-5,324,924	06-28-1994	Cai et al.	
	KU	US-5,343,028	08-30-1994	Figarella et al.	
	KV	US-5,345,266	09-06-1994	Denyer	
	KW	US-5,365,048	11-15-1994	Komiya et al.	
	KX	US-5,347,114	09-13-1994	Tanaka	
	KY	US-5,378,881	01-03-1995	Adachi	
	KZ	US-5,412,197	05-02-1995	Smith	
	LA	US-5,418,862	05-23-1995	Zheng et al.	
	LB	US-5,422,470	06-06-1995	Kubo	
	LC	US-5,422,744	06-06-1995	Katz et al.	
	LD	US-5,428,211	06-27-1995	Zheng et al.	
	LE	US-5,430,283	07-04-1995	Tanaka	
	LF	US-5,438,636	08-01-1995	Surka	
	LG	US-5,477,042	12-19-1995	Wang	
	LH	US-5,478,999	12-26-1995	Figarella et al.	
	LI	US-5,487,115	01-23-1996	Surka	
	LJ	US-5,489,769	02-06-1996	Kubo	
	LK	US-5,504,524	04-02-1996	Lu et al.	
	LL	US-5,524,068	06-04-1996	Kacandes et al.	
	LM	US-5,525,787	06-11-1996	Kubo	

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	LN	US-5,565,669	10-15-1996	Liu	
	LO	US-5,591,955	01-07-1997	Laser	
	LP	US-5,612,524	03-18-1997	Sant'Anselmo et al.	
	LQ	US-5,621,203	04-15-1997	Swartz et al.	
	LR	US-5,637,849	06-10-1997	Wang et al.	
	LS	US-5,659,431	08-19-1997	Ackley	
	LT	US-5,691,773	11-25-1997	Wang et al.	
	LU	US-5,698,833	12-16-1997	Skinger	
	LV	US-5,702,059	12-30-1997	Chu et al.	
	LW	US-5,710,417	01-20-1998	Joseph et al.	
	LX	US-5,714,745	02-03-1998	Ju et al.	
	LY	US-5,717,195	02-10-1998	Feng et al.	
	LZ	US-5,773,810	06-30-1998	Hussey et al.	
	MA	US-5,783,811	07-21-1998	Feng et al.	
	MB	US-5,784,102	7-21-1998	Hussey et al.	
	MC	US-5,814,801	09-29-1998	Wang et al.	
	MD	US-5,818,023	10-06-1998	Meyerson et al.	
	ME	US-5,867,594	02-02-1999	Cymbalski	
	MF	US-5,867,595	02-02-1999	Cymbalski	
	MG	US-5,917,945	06-29-1999	Cymbalski	
	MH	US-5,926,214	07-20-1999	Denyer et al.	
	MI	US-5,942,741	08-24-1999	Longacre, Jr. et al.	
	MJ	US-5,979,763	09-09-1999	Wang et al.	
	MK	US-6,019,286	02-01-2000	Li et al.	
	ML	US-6,053,407	04-25-2000	Wang et al.	
	MM	US-6,067,113	05-23-2000	Hurwitz et al.	
	MN	US-6,129,278	10-10-2000	Wang et al.	
	MO	US-6,014,501	01-11-2000	Fukuda et al.	
	MP	US-6,179,208 B1	01-30-2001	Feng	
	MQ	US-6,264,105 B1	07-24-2001	Longacre, Jr. et al.	
	MR	US-6,331,901 B1	12-18-2001	Fukuda et al.	
	MS	US-6,431,452 B2	08-13-2002	Feng	
	MT	US-6,575,367 B1	06-10-2003	Longacre, Jr.	
	MU	US-6,637,658 B2	10-28-2003	Barber et al.	
	MV	US-6,655,595 B1	12-02-2003	Longacre, Jr. et al.	
	MW	US-6,814,290 B2	11-09-2004	Longacre	

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Express Mail: EV561775034US (use as many sheets as necessary)				Application Number	10/800,136
Sheet	3	of	3	Filing Date	March 12, 2004
				First Named Inventor	Andrew Longacre, Jr.
				Art Unit	2876
				Examiner Name	Thien Minh Le
				Attorney Docket Number	703-006.50.23

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	MX	JP	07-049922 Full text JP reference with Full English Translation	02-21-1995			<input type="checkbox"/>
	MY	JP	07-065104 Corresponding US Patent 5,473,148 attached	03-10-1995			<input type="checkbox"/>
							<input type="checkbox"/>

Examiner Signature	Date Considered
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Sheet

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Application Number	10/800,136
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First Named Inventor	Andrew Longacre, Jr.
Art Unit	2876
Examiner Name	Thien Minh Le

Attorney Docket Number

703-006.50.23

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	MZ	JP Patent Application 8-159625 Translated Japanese Office Action in the English language, April 18, 2005.	
	NA	ROGER C. PALMER, The Bar Code Book, Second Addition, 1991, Helmers Publishing, Inc., Peterborough, New Hampshire, pgs. 11-108	
	NB	VLSI VISION LTD., High Resolution EIA/CCIR Monochrome Monolithic Camera Specification, VVL-1060, April 1994, pgs. 1-23.	
	NC	VLSI VISION LTD., Serial Interface Specification, VVL-1060, April 1994, pags.1-9.	
	ND	VLSI VISION LTD., Engineering Evaluation Kit Specification, VVL-1070, September 27, 1994, pgs. 1-5.	
	NE	MARSHALL ELECTRONICS, Monochrome Monolithic Image Sensor with Analogue and digital Outputs Specification, VVL-1070, pgs. 1-24, believed to be published prior to April 1995.	
	NF	REPORT BY APPLICANTS, Report summarizing references of record in applications of which priority is claimed (Application No. 10/227,889, Application No. 09/651,162, Application No. 09/385,597, Application No. 08/839,020, Application No. 08/697,913, Application No. 08/516,185, application No. 08/504,643 and application No. 08/205,539), June 2005.	
	NG	REPORT BY APPLICANTS, Report categorizing references submitted by applicants, June, 2005.	

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				First Named Inventor	Andrew Longacre, Jr.
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				Examiner Name	Thien Minh Le
Sheet	1	of	1	Attorney Docket Number	703-006.50.23

<b>U.S. PATENT DOCUMENTS</b>					
Examiner	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
	NH	US-4,075,461		02-1978	Wu et al.
	NI	US-4,251,798		02-1981	Swartz et al.
	NJ	US-4,289,957		09-1981	Neyroud et al.
	NK	US-4,782,220		11-1988	Shuren
	NL	US-4,825,057		04-1989	Swartz et al.
	NM	US-4,835,713		05-1989	Pastor
	NN	US-4,893,333		01-1990	Baran et al.
	NO	US-4,973,829		11-1990	Ishida et al.
	NP	US-5,159,635		10-1992	Wang
	NQ	US-5,196,686		03-1993	Leister
	NR	US-5,208,449		05-1993	Eastman et al.
	NS	US-5,241,164		08-1993	Pavlidis et al.
	NT	US-5,243,655		09-1993	Wang
	NU	US-5,247,166		09-1993	Gannon et al.
	NV	US-5,291,564		03-1994	Shah et al.

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		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)		
	NW	EP	0 385 478 A2	09-05-1990	Symbol Technologies, Inc.
	NX	EP	0 385 478 A3	09-05-1990	Symbol Technologies, Inc.
	NY	EP	0 561 334 A2	09-22-1993	Symbol Technologies, Inc.
	NZ	EP	0 571 892 A2	12-01-1993	United Parcel Service of America, Inc.
	OA	EP	0 584 559 A2	03-02-1994	United Parcel Service of America, Inc.

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Examiner Name	Thien Minh Le
Attorney Docket Number	703-006.50.23

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	OB	WELCH ALLYN, Hand Held CCD Scanner/Decoder, SCANTEAM 3000 Instant Interface Series, July 1994, 2pgs.	
	OC	SYMBOL EXPRESS, 1995 Product Catalog, January 1995, 4pgs.	

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